

| UV Spectrum Data for Desferrioxamine |            |
|--------------------------------------|------------|
| Wavelength (nm)                      | Absorbance |
| 190                                  | 0.184      |
| 200                                  | 0.244      |
| 204                                  | 0.306      |
| 208                                  | 0.283      |
| 220                                  | 0.127      |
| 230                                  | 0.040      |
| 240                                  | 0.007      |
| 245                                  | 0.002      |

Figure 1

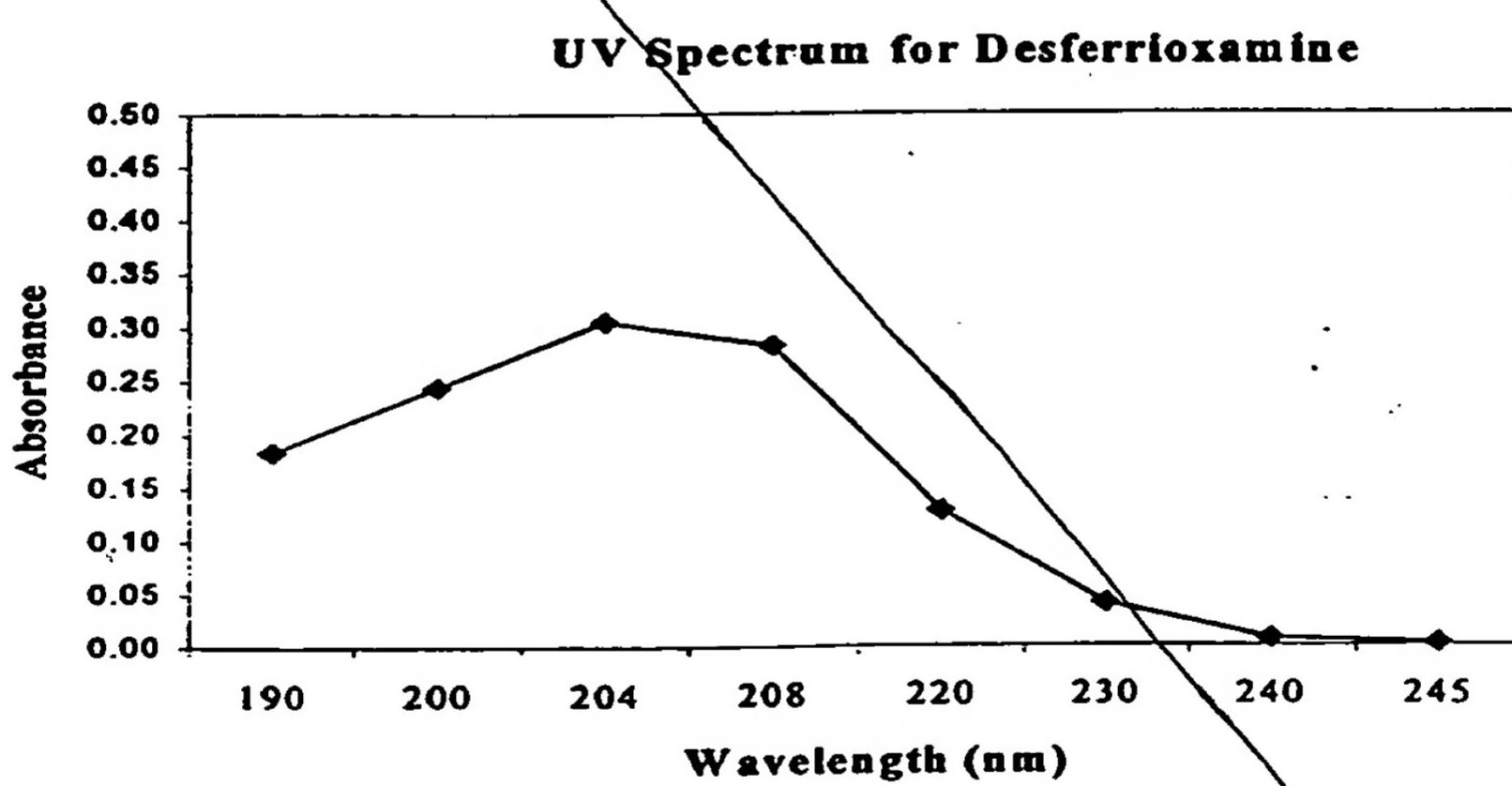


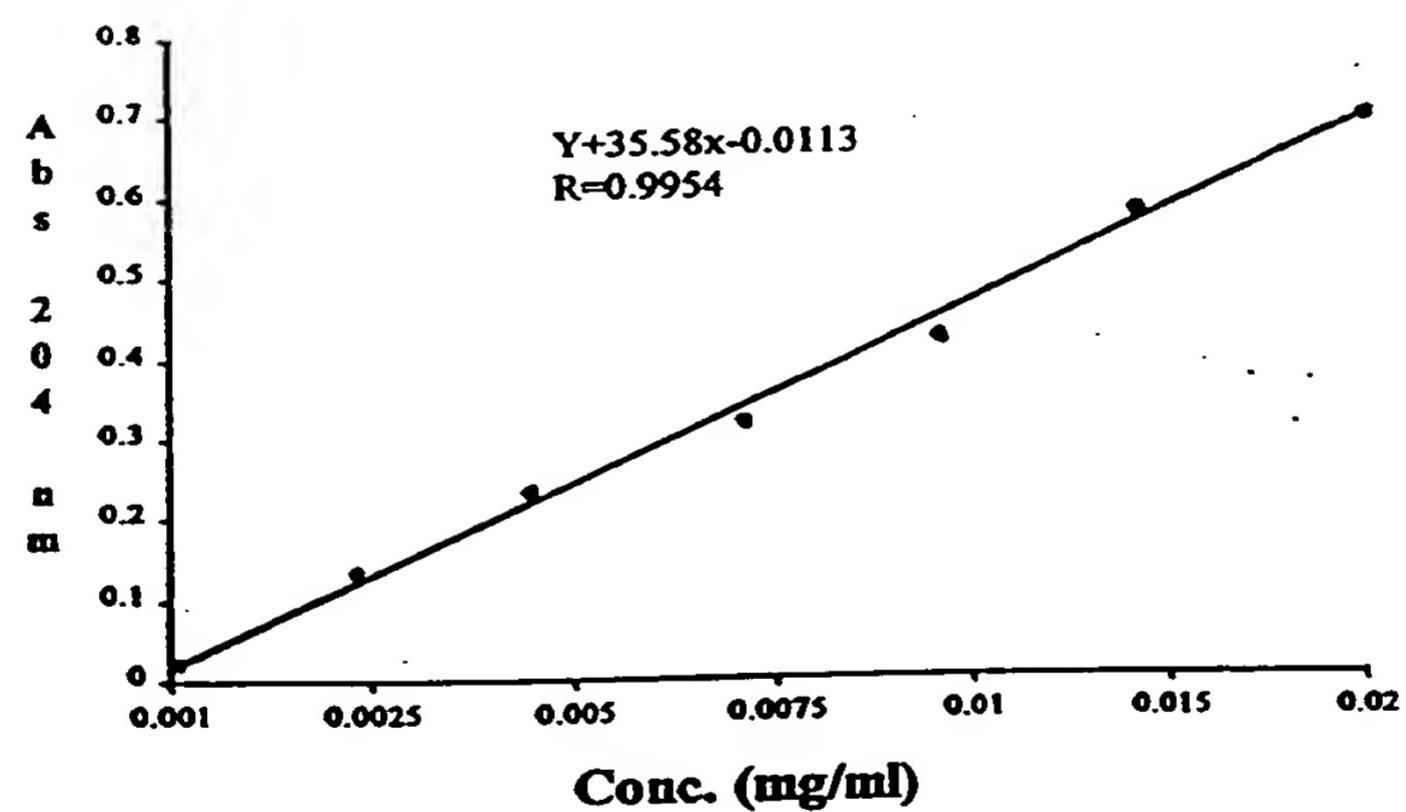
Figure 2

**Calibration Curve for  
Desferrioxamine in Methanol**

| Working solution in 10ml | Concentration in mg/ml | Absorbance @ 204nm |
|--------------------------|------------------------|--------------------|
| 0.010mg                  | 0.0010                 | 0.020              |
| 0.025mg                  | 0.0025                 | 0.092              |
| 0.050mg                  | 0.0050                 | 0.182              |
| 0.075mg                  | 0.0075                 | 0.239              |
| 0.100mg                  | 0.0100                 | 0.318              |
| 0.150mg                  | 0.0150                 | 0.536              |
| 0.200mg                  | 0.0200                 | 0.704              |

**Figure 3**

**Calibration curve for  
Desferrioxamine in Methanol**



**Figure 4**

Blood Chemistry Values before and After Liposome Infusion (with or without Desferrioxamine) were not significantly different.

|              | Before   | 24 Hours After | 5 Days After Infusion |
|--------------|----------|----------------|-----------------------|
| SGOT         | 100 ± 10 | 102 ± 10       | 100 ± 10              |
| SGPT         | 36 ± 2   | 36 ± 2         | 37 ± 2                |
| *AP          |          | 97 ± 1         | 97 ± 0.4              |
| BUN          | 17 ± 0.4 | 17 ± 1         | 18 ± 2                |
| Iron (blood) | 205 ± 7  | 203 ± 3        | 205 ± 5               |
| Total CK     | 2 ± 0    | 0 ± 0          | 0 ± 0                 |

\* AP = alkaline phosphatase

Reported values before injection and after injection of Desferrioxamine-encapsulated liposomes.

Figure 5

### $^{111}\text{In}$ Desferrioxamine Biodistribution in Rats

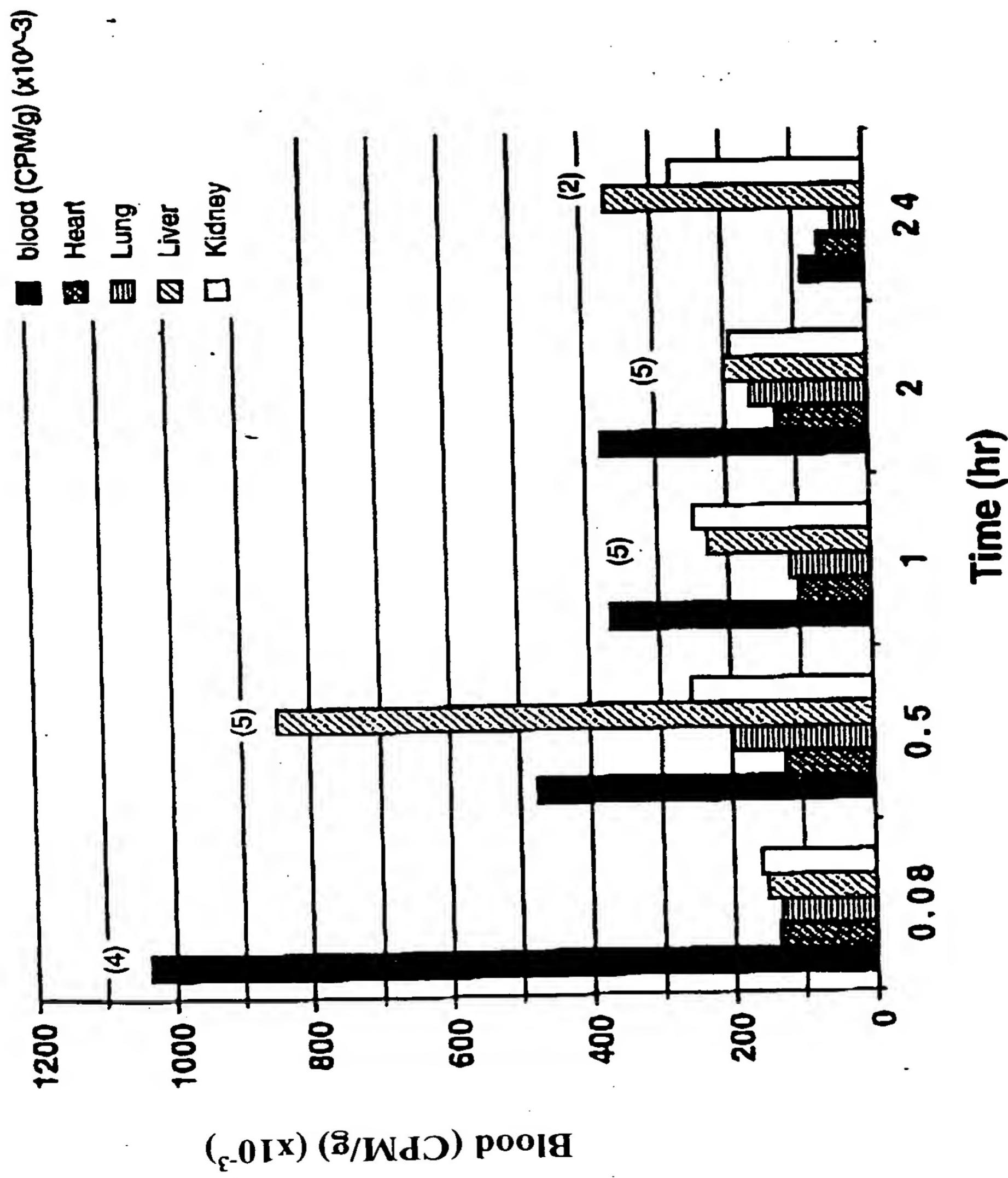
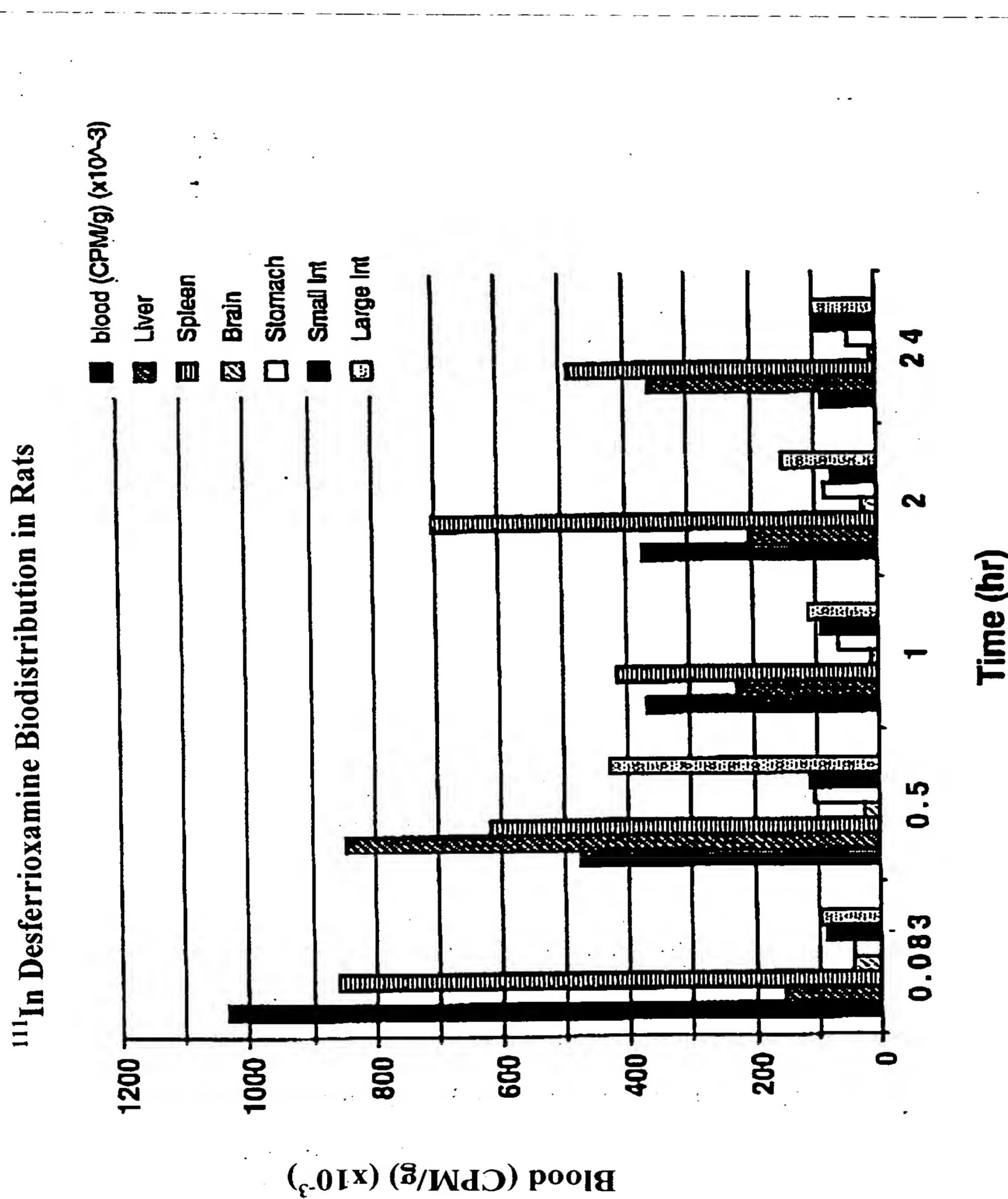


Figure 6

Figure 7



### $^{111}\text{In}$ Desferrioxamine Biodistribution in Rats

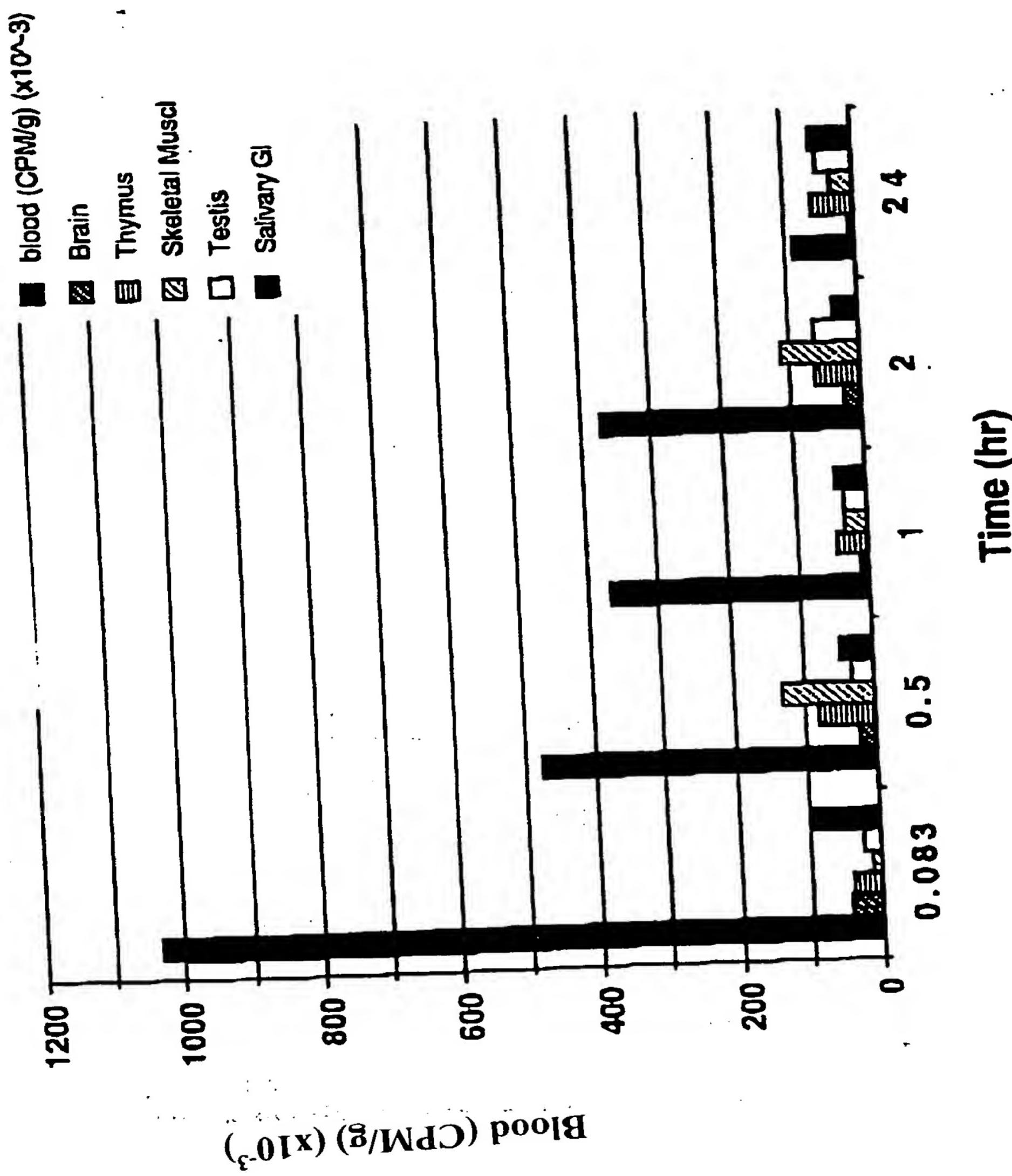


Figure 8

### $^{111}\text{In}$ Desferrioxamine Biodistribution in Rats

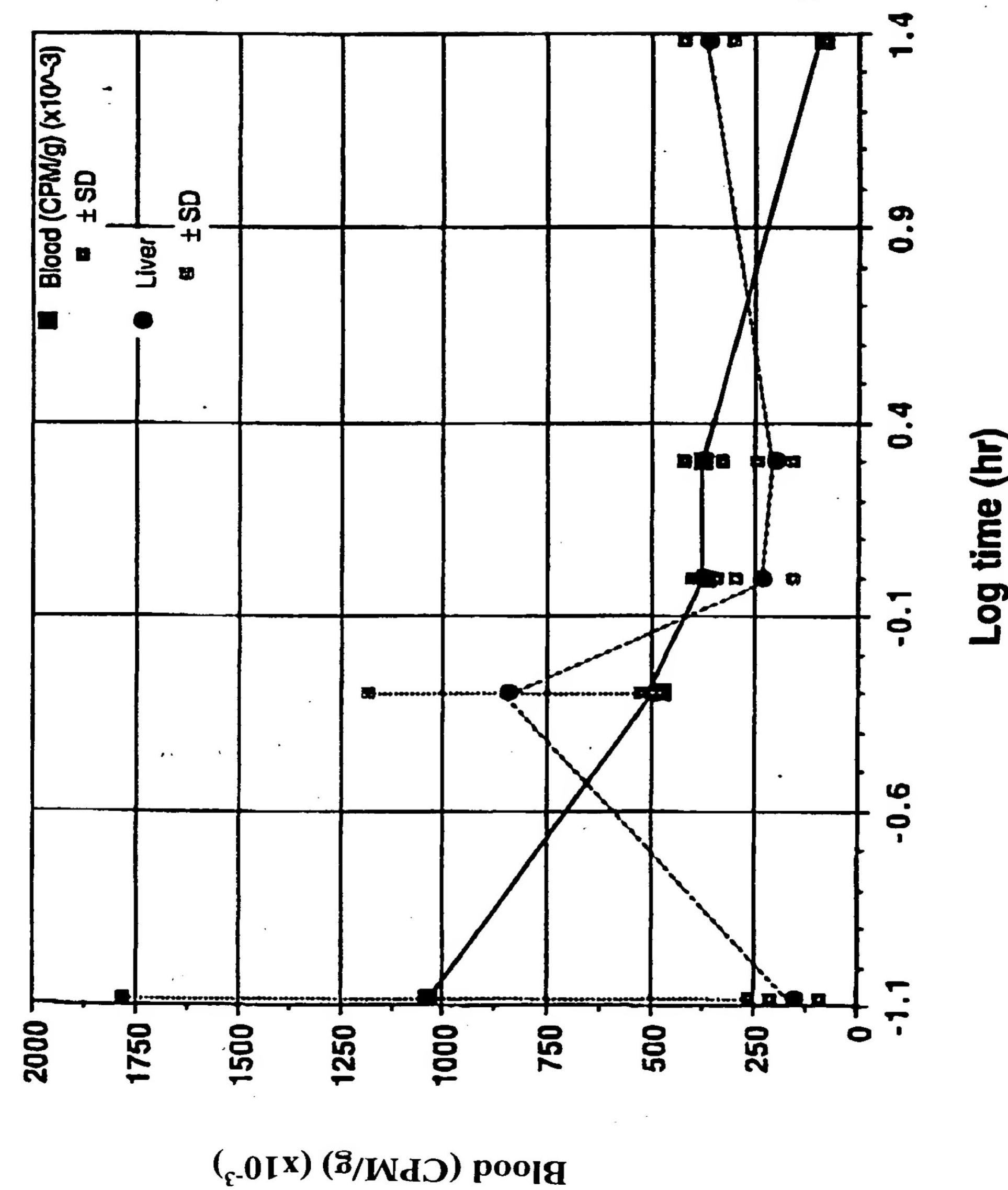


Figure 9

$^{111}\text{In}$  Desferrioxamine Biodistribution in Rats

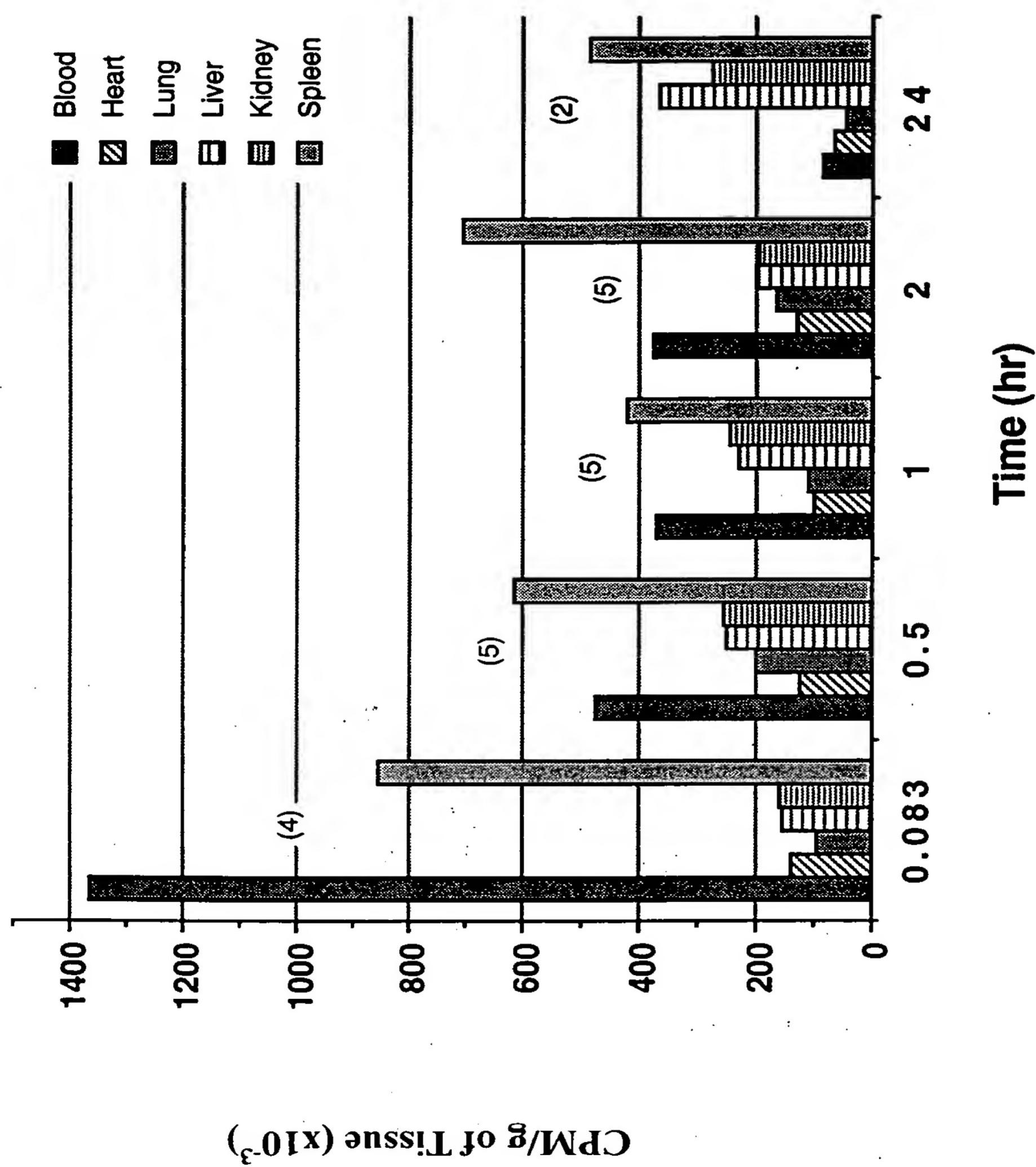


Figure 10

### $^{111}\text{In}$ Desferrioxamine Biodistribution in Rats

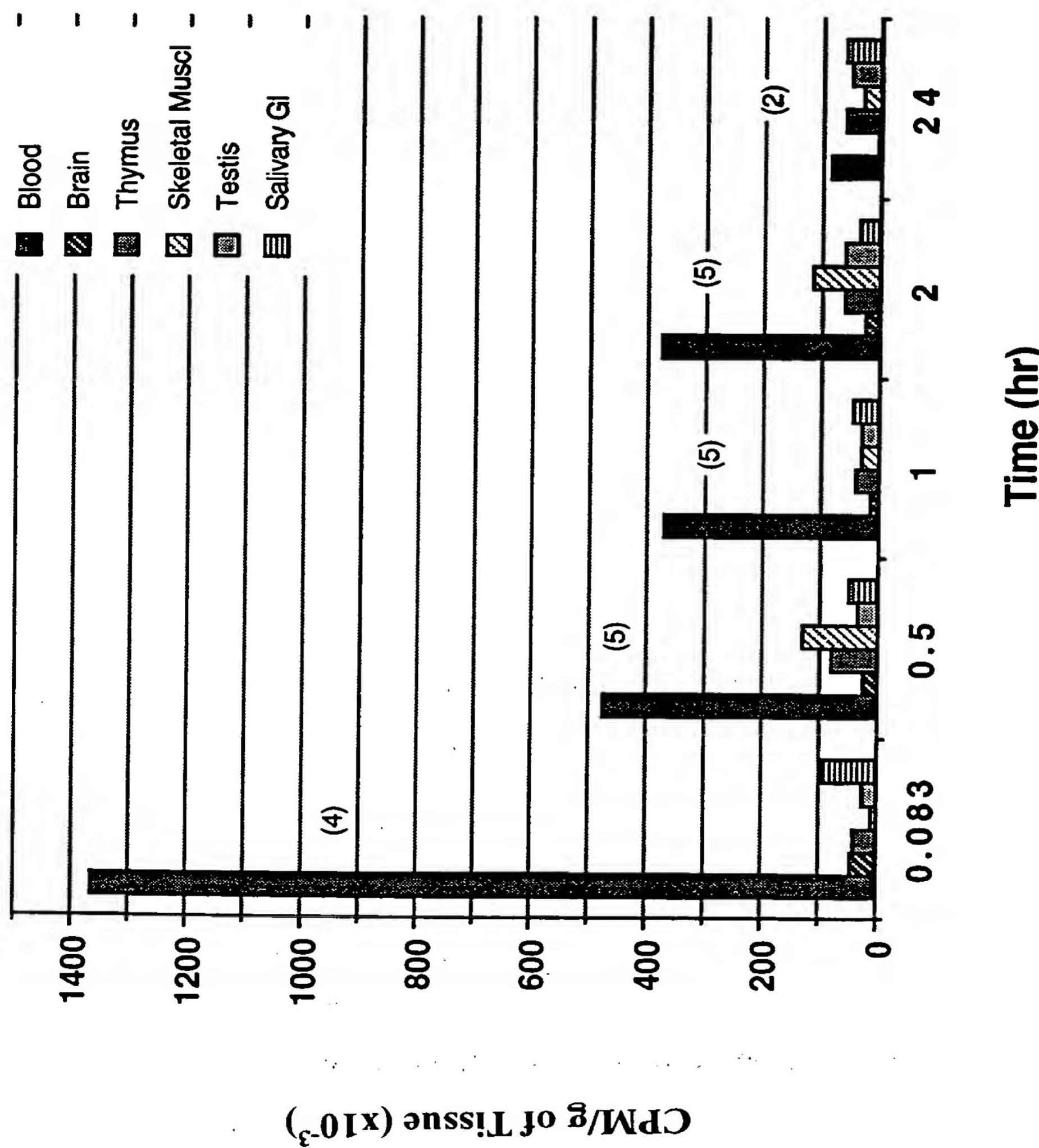


Figure 11

### $^{111}\text{In}$ Desferrioxamine Biodistribution in Rats

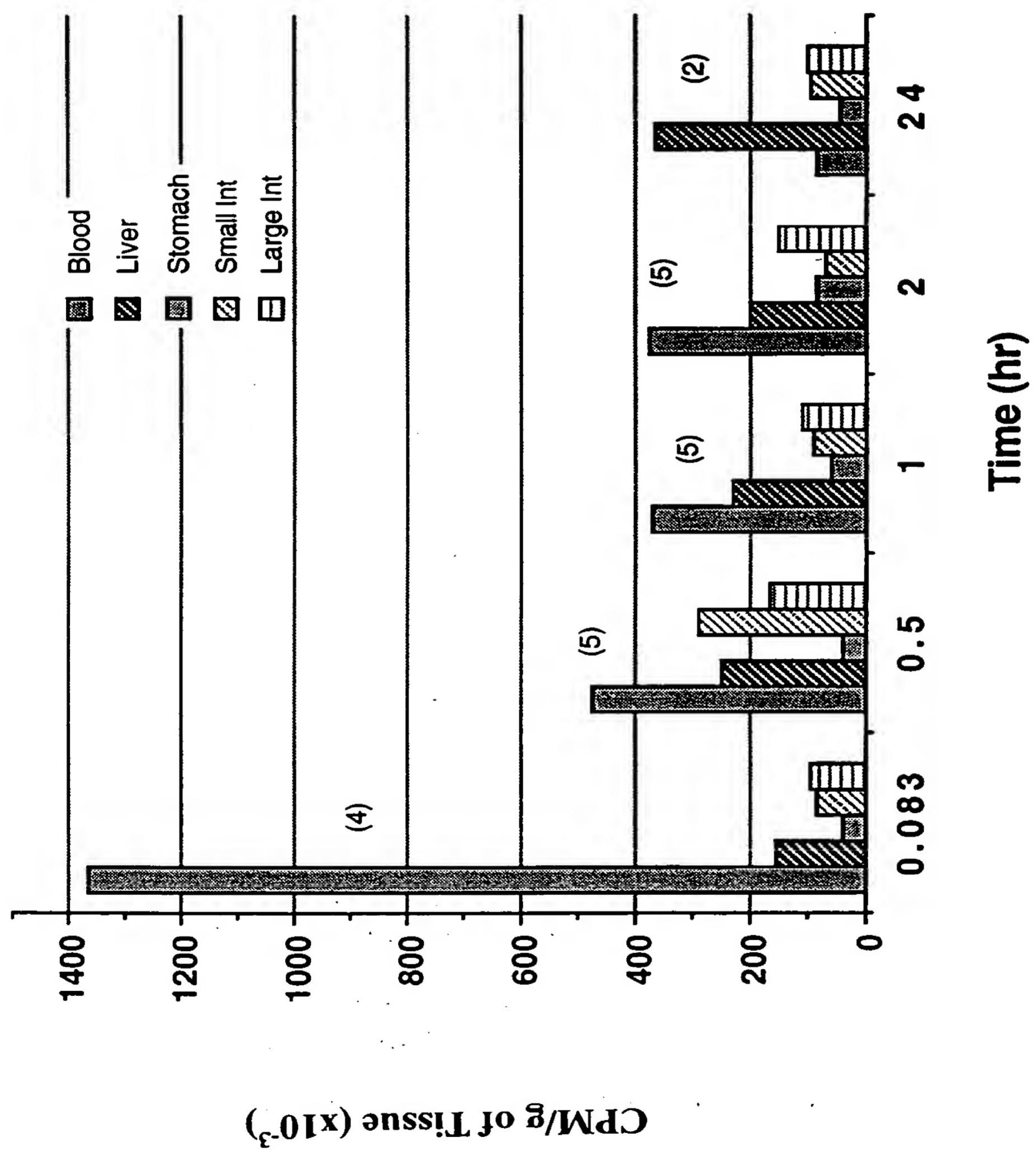


Figure 12

### $^{111}\text{In}$ Desferrioxamine Biodistribution in Rats

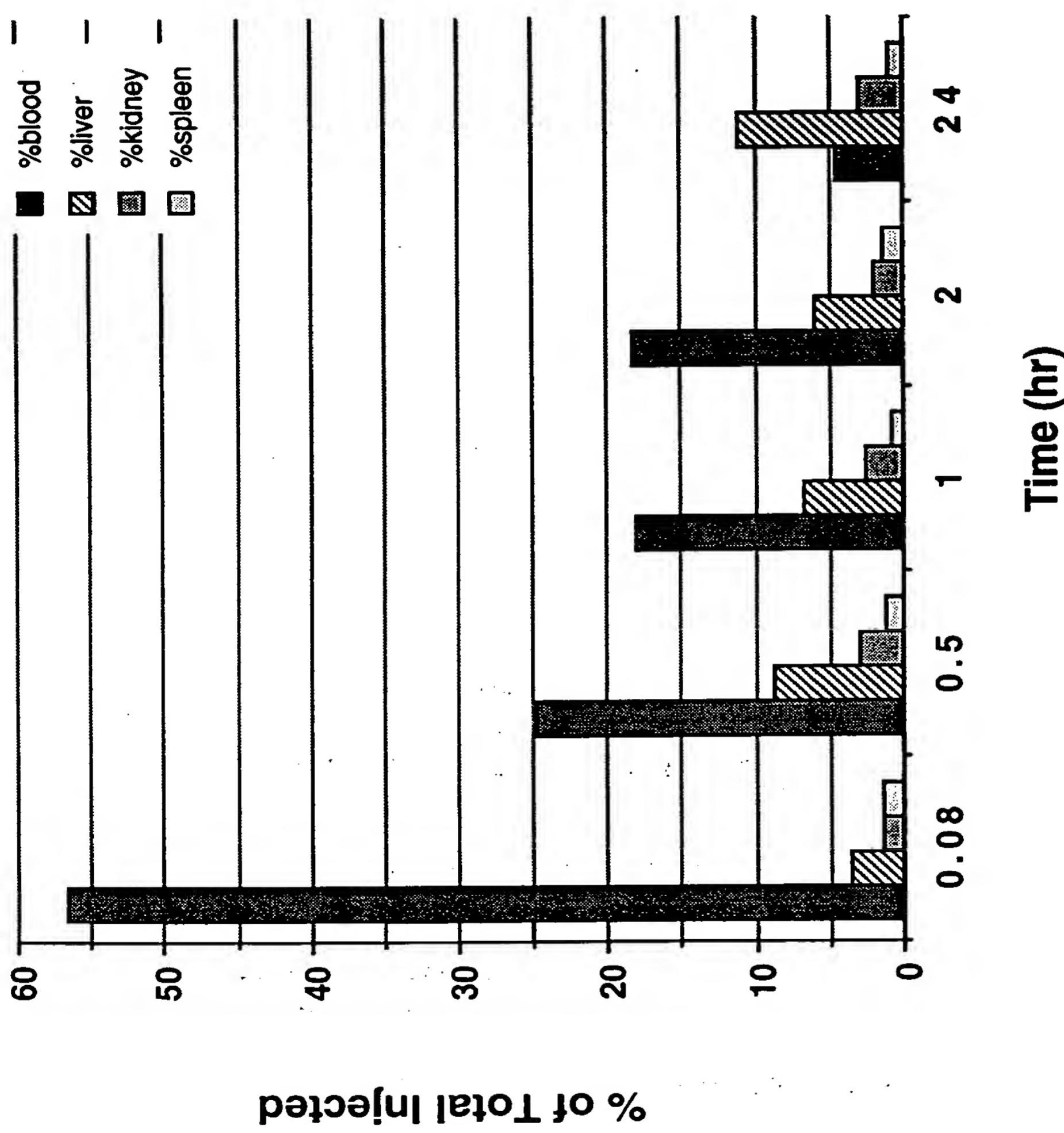


Figure 13

### $^{111}\text{In}$ -Desferrioxamine Biodistribution in Rats

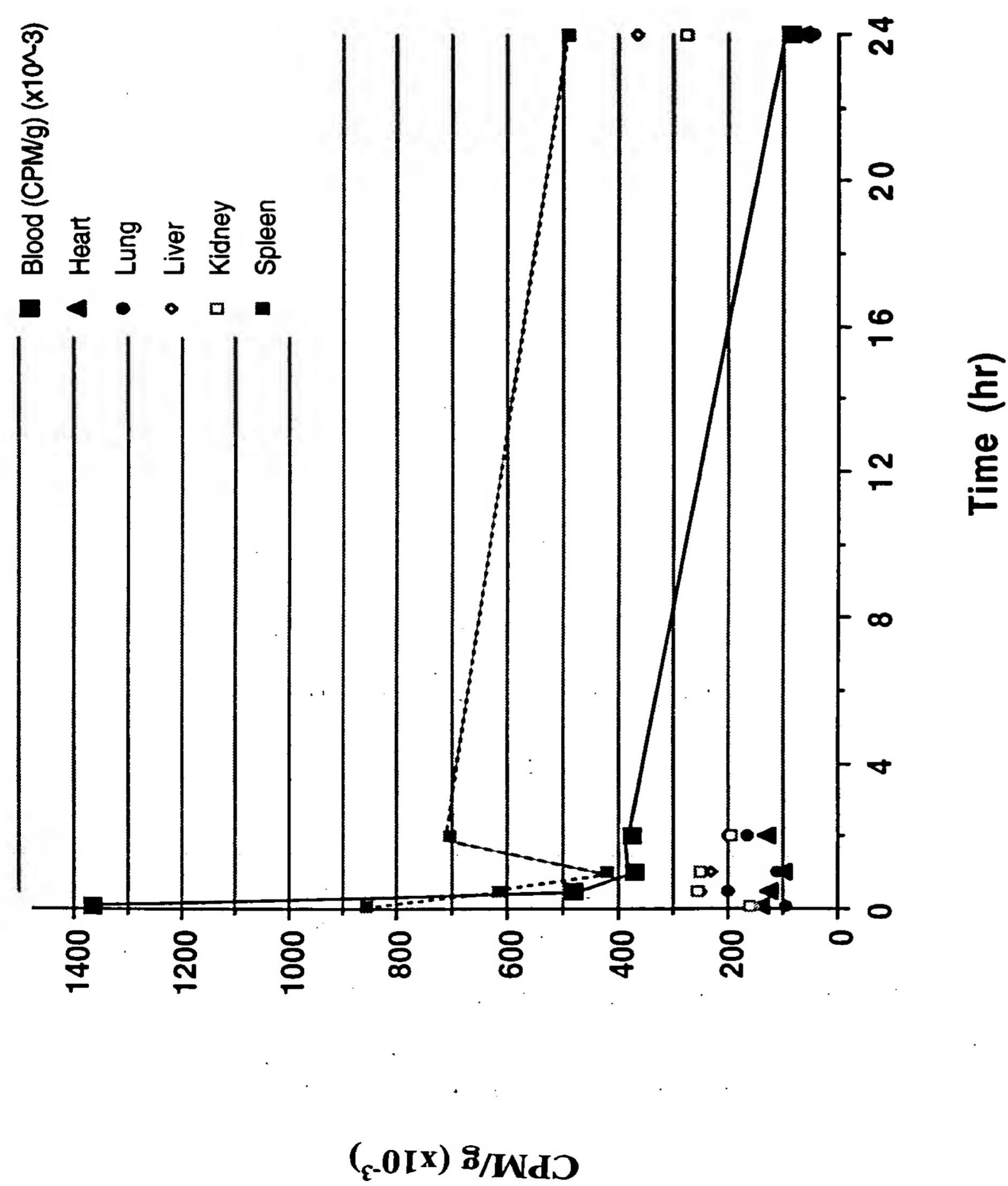


Figure 14

$^{111}\text{In}$  Desferrioxamine Distribution in Rats

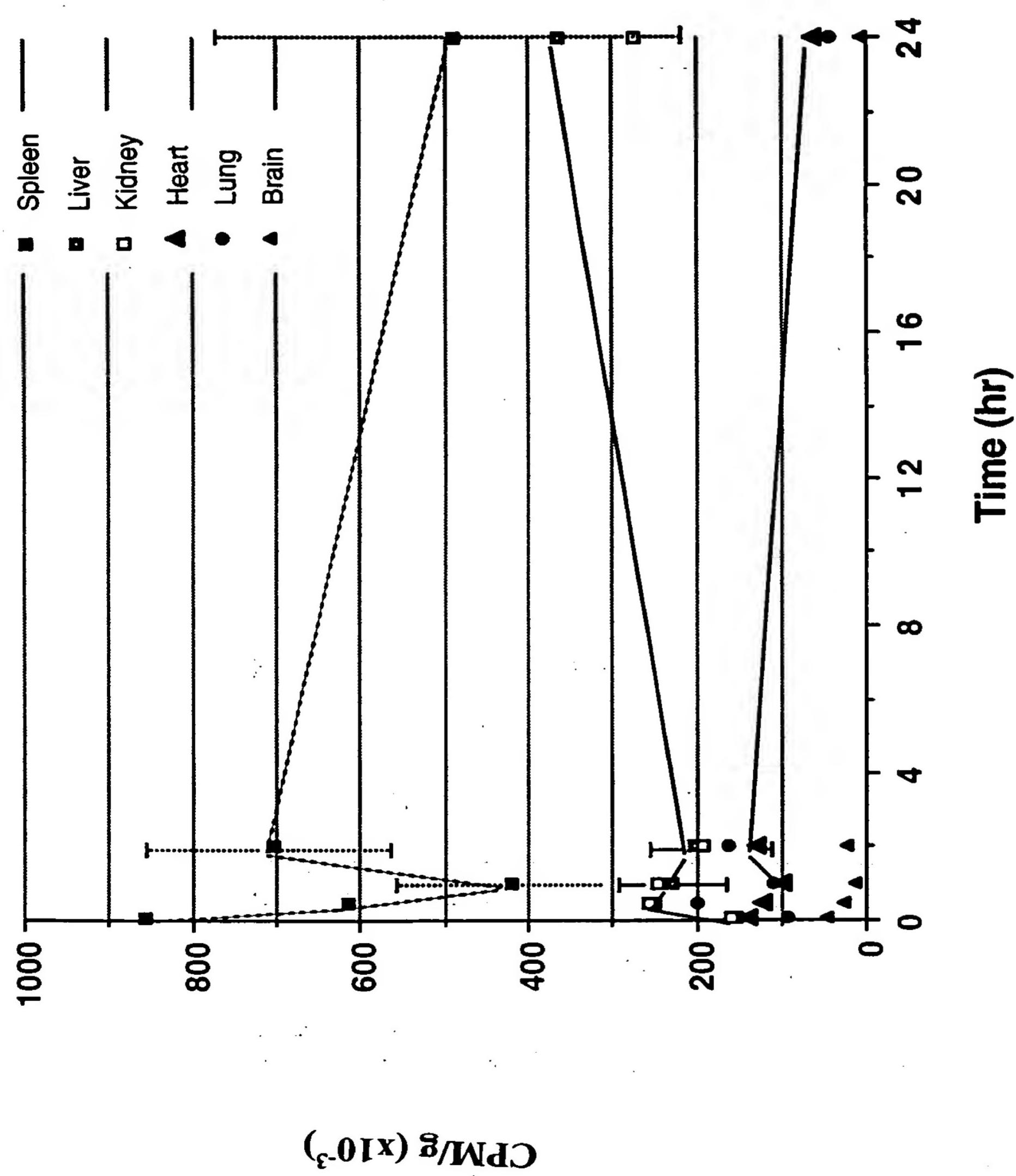


Figure 15

$^{111}\text{In}$  Desferrioxamine Biodistribution in Rats

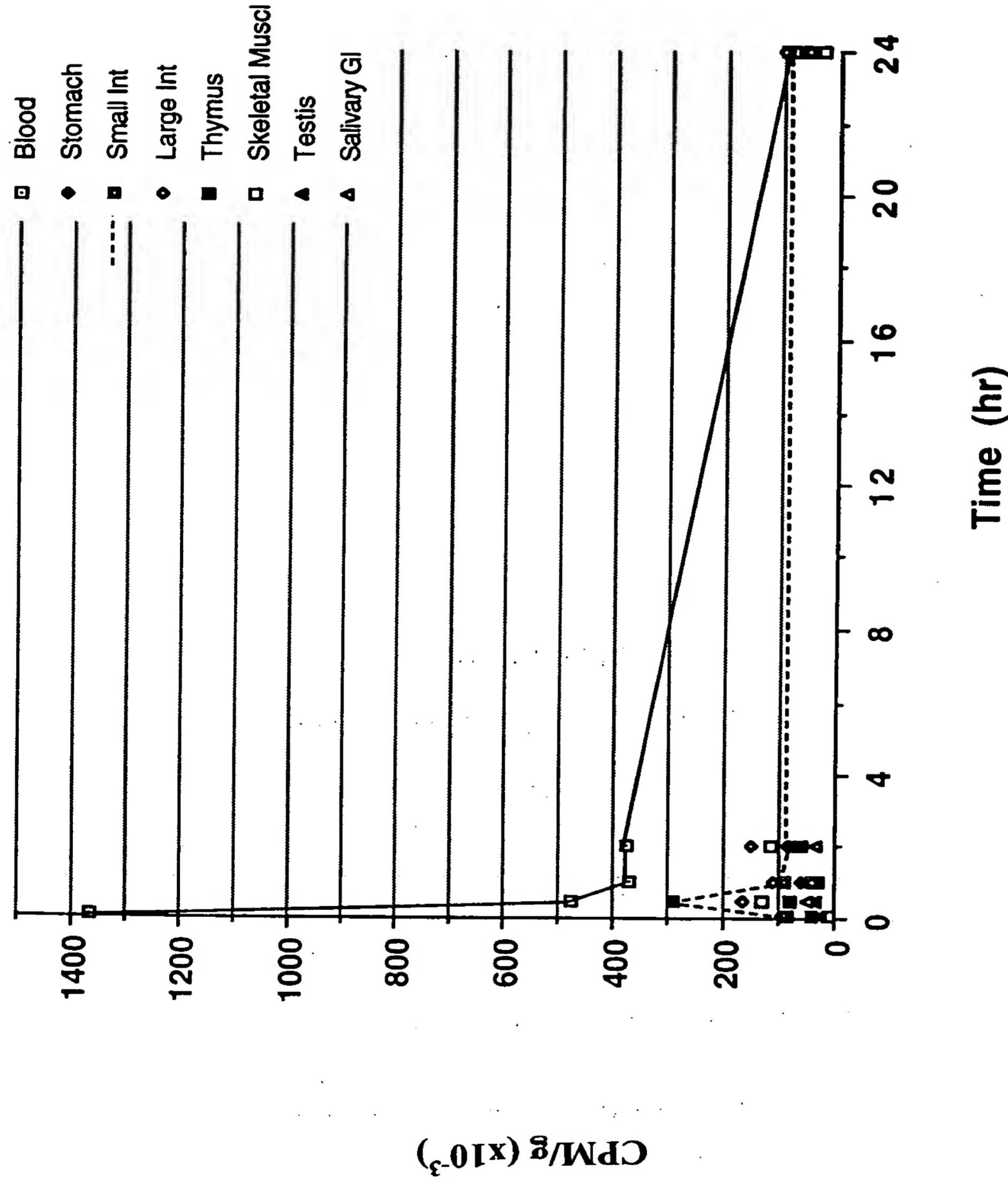


Figure 16

### $^{111}\text{In}$ Desferrioxamine Biodistribution in Rats

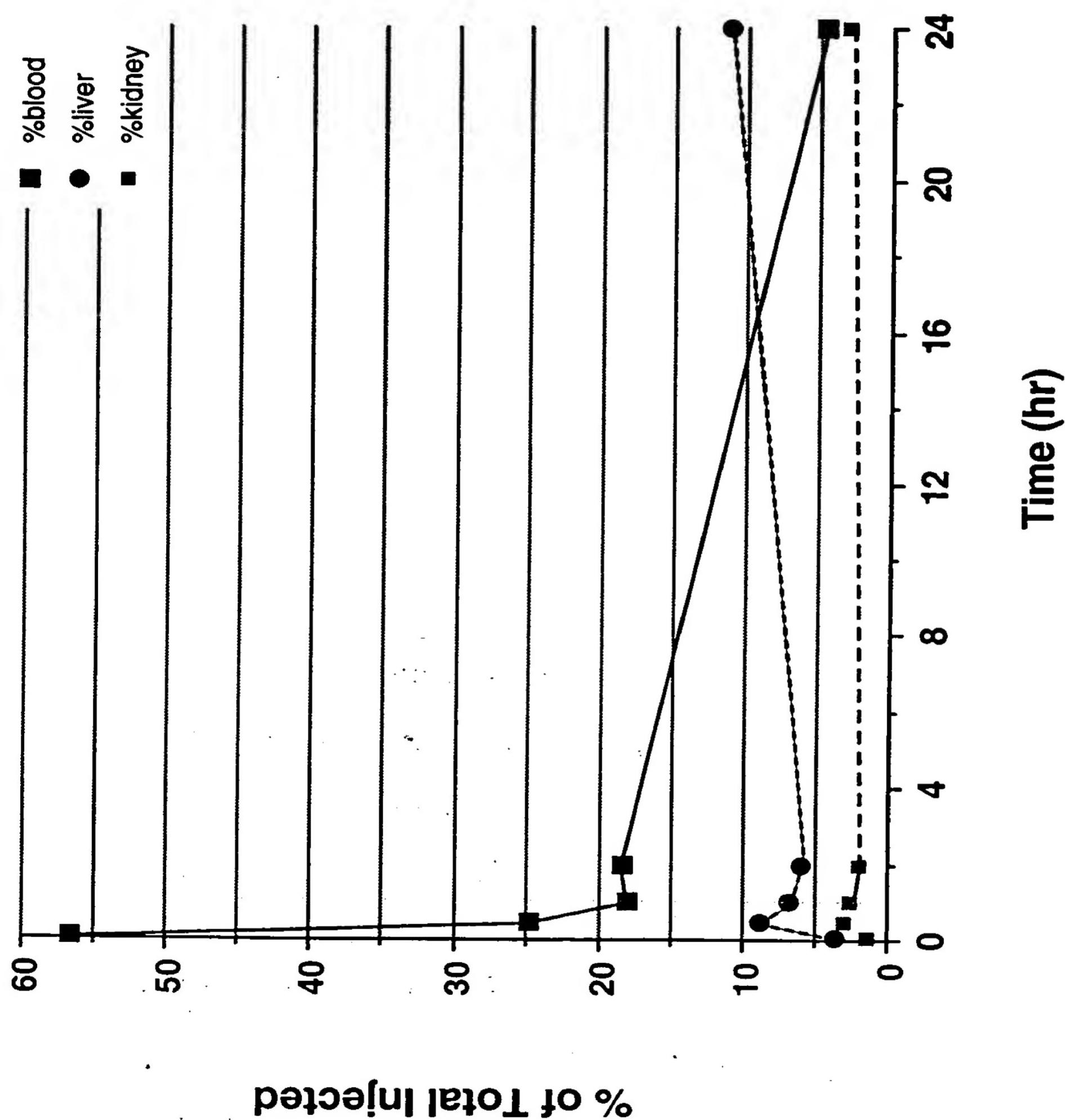


Figure 17

11.1 In Desterrioxamine Biodistribution in Rats

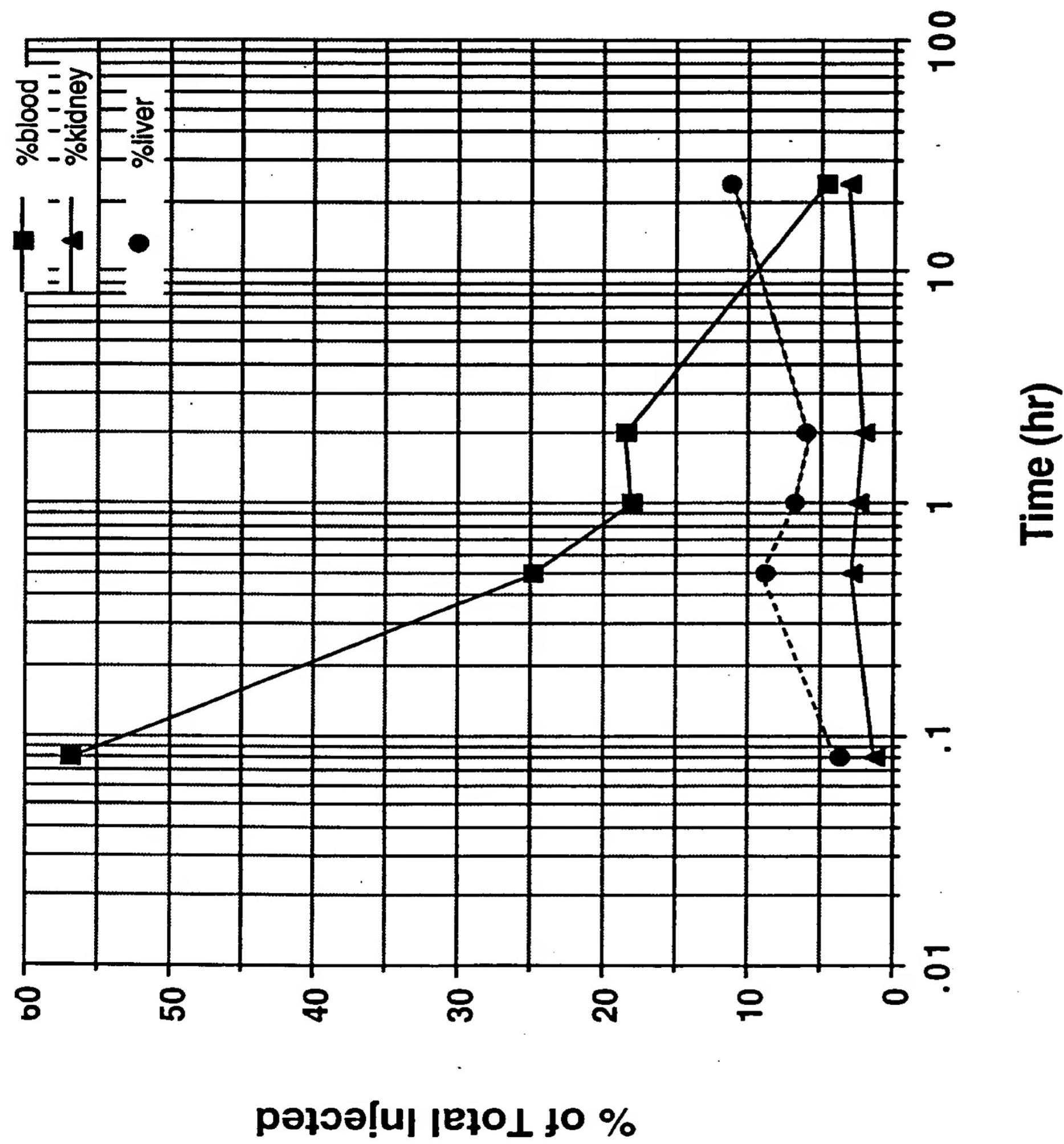


Figure 18